VEENA MURALIDHARAN

GIS Expert | Data Science Aspirant

Email:muralidharanveena@gmail.com

LINKS

Bio: veenam.info

Blog: veenamuralidharan.com

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COURSEWORK

POST-GRADUATE

Geoinformatics | 2007-2009

GRADUATE

Geology | 2004-2007

SKILLS

Daily use:
Python • D3.js • markdown • Stata • LaTex

Regular use:
HTML \ CSS• Python• RStudio • PostgreSQL • PostGIS

Occasional use:
JavaScript• Tableau• Excel Macros

TOOLS & UTILITIES

•Git •Excel •QGIS •ArcGIS •Geoserver •Wordpress •Azure Notebooks •IBM Watson

PUBLICATION

ENVIRONMENTAL HEALTH

European Respiratory Society, 2011: Spatial distribution of COPD in a rural population in India using geographic information system

IJERPH, 2015: Field testing of alternative cookstove performance in a rural setting of western India

EXPERIENCE

SENIOR EXECUTIVE | GENESYS INTERNATIONAL CORPORATION LIMITED
May 2015 – Present | Mumbai, IN

- Performing Market Research.
- Building collaterals, Proof of Concepts & Business Proposals.
- Working in tandem with Production teams to build relevant IT & GIS enabled solutions.

COORDINATOR-INFORMATION MANAGEMENT & COMMUNICATION | DEEPAK FOUNDATION
Aug 2014 – July 2016 | Vadodara, IN

- Performed data acquisition, digitization and image processing of spatial data and creation of basemaps & thematic maps
- Development and piloting of a web based GIS application for Blood Donor search for the City Hospital
- Data Management, Analysis and Report generation of healthcare intervention projects
- Involved in content writing and collateral development

PROJECT COORDINATOR | K.E.M HOSPITAL RESEARCH CENTRE
Mar 2013 - Aug 2014 | Pune, IN

- Coordinating the Field testing of improved cookstoves to generate data on indoor air pollution and analyze to concentration levels of $PM_{2.5}$ and carbon monoxide

GIS RESEARCH FELLOW | K.E.M HOSPITAL RESEARCH CENTRE
Mar 2010 - Mar 2013 | Pune, IN

- Training and field coordination of GPS data acquisition
- Performing spatial analysis and building maps
- Development and piloting of WebGIS application
- Building proposals and publishing research articles

PROJECT EXPERIENCE

LOCATION ANALYTICS FOR BUSINESS START-UPS | Github
Capstone Project |Dec 2018 | IBM Data Science Certification

•Webscraping using BeautifulSoup •Data visualization using Folium & Foursquare API •Machine Learning- K-means Clustering

FIELD TESTING OF ALTERNATIVE COOKSTOVE PERFORMANCE IN A RURAL SETTING OF WESTERN INDIA
Research Project | Dec 2013-Apr 2015 | K.E.M Hospital Research Centre

•Field Data Acquisition •Working knowledge of Indoor Air Monitors •Exploratory Analysis using SAS & R •Linear regression analysis

SPATIAL DISTRIBUTION OF COPD IN A RURAL POPULATION OF INDIA   Research Project | Mar 2010-Sept 2011 | K.E.M Hospital Research Centre

•Field Data Acquisition •Buffer analysis using ArcGIS 9.3x & QGIS